



LAN Test Solutions

**Network test • Cable installation test
Cable certification • Network management**



Copper



Fibre



Cable installers



**IT admin/security,
troubleshooters &
consultants**



**IT & network
maintenance**



Systems integrators



Industrial Ethernet



Facilities maintenance



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BATES DATA SECURITY & TESTING SOLUTIONS



Tone Generator & Amplifier Probe

- Device interfaces with RJ11/RJ12, RJ45 and coaxial cabling
- Tone generator
- Amplifier probe
- Detects short circuits
- Adjusts tone and volume
- Battery powered
- cordless device



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What it is

The new **VDV II** Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

- **Accurate** – Advanced TDR (Time Domain Reflectometry) measures cable length and provides distance to fault information
- **Fast** – Identifies wiring errors instantly and displays the results all on one screen
- **Intelligent** – Quickly determines which media service is running over cables, such as ISDN, PBX and PoE

SignalTEK CT

Data Cable Transmission Tester



The new **SignalTEK CT** issues a PDF report to prove that your installed data cables can carry Gigabit Ethernet traffic at full speed with no errors, and confirms correct wiremap results

VFF5 Visual Fault Finder

The VFF5 Visual Fault Finder allows easy identification and pinpointing of fibre optic cabling faults through the use of red light laser

- Visual monitoring of fibre cable continuity
- Pinpoints breaks and crimps through light loss across the sheath
- Detection of faulty splices in network switches
- Quick on-site checks of pre-built fibre cable connector switches
- Continuous and modulated light signal modes
- Useful for single mode and multimode fibres over a 5km (3 miles) length
- Non-Roll design
- Rugged metal housing protected by Santoprene® (rubber) over-sleeve



Ref.	Description
VFF5	VFF5 fibre optic cable continuity tester, fault detector (VFL) - VISUAL FAULT LOCATOR
33-963-10	Fibre tip pen cleaner to clean 2.5mm connectors and feed-throughs (SC, ST, FC)
33-963-11	Fibre tip pen cleaner to clean 1.25mm connectors and feed-throughs (LC, MU)



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LanTEK® II / FiberTEK® FDX

LanTEK® II is a 1000 MHz LAN cable certifier (corresponding to category 7A and ISO Class F_A). It uses a patented certification method which allows for Permanent and Channel Link certification without changing adaptor. This is a very economical and practical onsite solution and is a radically different approach to the existing Cat. 3 to Cat. 7A solutions. The optional fibre optic FiberTEK® FDX multimode and single mode modules certify 2 wavelengths in both directions in one single unique test, reducing the number of operations to be carried out by the user.

- Certification up to 1000MHz with a memory capacity for over 1500 data sets
- Channel and Permanent Link tests using the same universal measurement adaptor
- "Dual Mode" certification mode for carrying out 2 certifications at the same time
- Rapid test time and method (Cat. 6A/ISO Class E_A in just 17 sec)
- Long life Lithium Ion battery with 18h onsite battery life
- Cat. 7 (GG45, TERA, EC7), Cat. 7A (GG45, TERA, EC7), Coaxial BNC connection, Industrial M12 Ethernet adaptor, 10 Gb/s Alien Crosstalk
- 3 models: 350, 500 and 1000MHz
- Possibility of hardware upgrade via factory return (LanTEK® II 350 → 500; LanTEK® II 350 → 1000; LanTEK® II 500 → 1000)
- Automatic fibre optic certification on 2 wavelengths and in both directions with one single test



Ref.	Description
33-991	LanTEK® II-350 - 350MHz certifier - Cat. 6 / Class E and lower - with Cat. 6 adaptors
33-992	LanTEK® II-500 - 500MHz certifier - Cat. 6A / Class E _A and lower - with Cat. 6A adaptors
33-993	LanTEK® II-1000 - 1000MHz certifier - Cat. 7A / Class F _A and lower - with Cat. 6A adaptors
TRADE992	Purchase of a LanTEK® II-500 when trading in a Cat. 5 certifier
TRADE993	Purchase of a LanTEK® II-1000 when trading in a Cat. 5 certifier
33-990-FA01	FiberTEK® FDX: Multimode (850/1300nm) kit with LED light sources for standard multimode fibre
33-990-FA02	FiberTEK® FDX: Multimode (850/1300nm) kit with VCSEL/laser light sources for laser optimised fibre
33-990-FA03	FiberTEK® FDX: Multimode (850/1300nm) kit with VCSEL/laser light sources for laser optimised fibre
33-990-FA04	FiberTEK® FDX: Single mode 1310/1550nm kit with laser light sources for single mode fibre
33-990-FA05	FiberTEK® FDX: Multimode 850/1300nm and single mode 1310/1550nm kit with LED multimode light sources and laser single mode sources
0012-00-0656	Category 6A High Performance RJ45 Universal Link Adaptors (2) - Lantek & LanTEK® II

FiberMASTER™

- Measures optic power at 850, 1300, 1310, 1550nm and at 1490nm for FTTH cabling
- LED multimode and laser single mode testing
- Signal measurement on active links
- dB loss calculation
- Power meter with removable universal connection adaptor
- Unique "docking" of light source within the power meter



Ref.	Description
33-927	FiberMASTER™ power meter MM/SM only (incl. soft case, manual and cable kit)
33-928	FiberMASTER™ MM/SM power meter with 850nm light source only (incl. soft case, manual and cable kit)
33-931	FiberMASTER™ MM/SM fibre optic test kit (incl. soft case, manual and cable kit)

OTDR

The perfect tool for installation, test and repair of single mode and multimode LAN and WAN networks.

- Short attenuation and event dead zones
- Autotest function
- Real time measurements
- Clear indication of event types via large colour screen
- FC/SC/ST removable optic connectors
- Tier 2 fibre certification option
- Macro bend detection option
- Microscope connection option to view fibre connectors



Ref.	Description
33-960-3	Quad micro OTDR with 850/1300nm for multimode fibre and 1310/1550nm for single mode fibre
33-960-3MB	Quad micro OTDR with macro bend and pass/fail firmware
33-960-2	Video probe with 200x and 400x magnification



LanXPLORER

LanXPLORER is an In-Line network tester for LAN management with active and passive troubleshooting capabilities for Ethernet connectivity and cabling issues in multi-media environments including copper, fibre and WiFi.

In addition to VoIP testing, LanXPLORER provides detailed network statistics and device mapping including diagnosing low level Ethernet issues that cannot be detected by Windows® applications or managed switches. LanXPLORER also includes a loopback mode for transmission testers.



- Save money by using a single multifunction device in place of separate laptop, wiremapper and Power over Ethernet (PoE) tester
- Increase efficiency and improve user productivity through reduced network downtime by rapidly diagnosing Ethernet and cabling issues
- Improve network management with detailed network statistics and device mapping that can be stored and exported
- Maximise return on your investment with a device that is future-proofed for IPv6 and PoE+ compatibility
- Save time as intuitive interface enables short learning curve to effective use in the field, plus reduces job duration



Ref.	Description
R150001	LanXPLORER PRO – PREMIUM package includes 1 x LanXPLORER PRO test unit & 1 x Remote unit #1 *
R150005	LanXPLORER PLUS – PREMIUM package includes 1 x LanXPLORER PLUS test unit & 1 x Remote unit #1*
R150003	LanXPLORER – PREMIUM package includes 1 x LanXPLORER test unit & 1 x Remote unit #1 *

***Additional content:** 1 x NiMH battery pack, 2 x Patch cables, 30cm, Cat. 5e STP, 1 x Power supply w EU/UK adaptor, 1 x IDEAL amplifier probe 62-164, 1 x Manual on CD, 1 x Quick reference guide, 1 x Carrying case, 1 x RJ45 insert extraction tool, 10 x Lifejack RJ45 inserts

SignalTEK II

SignalTEK II is a handheld cable and network qualifier designed to confirm correct installation of copper and fibre cabling capable of supporting voice, video, data and CCTV applications over 10/100 Megabit and Gigabit Ethernet.

SignalTEK II also runs transmission tests on Ethernet LAN through hubs and switches up to full Gigabit bi-directional load testing.

- Save money by using a single multifunction device in place of separate copper, fibre and Power over Ethernet (PoE) testers
- Increase efficiency through simplifying and accelerating cable installation including advanced Ethernet network troubleshooting
- Cost effective way to test network links to Gigabit performance standards including IEEE 802.3ab
- Future-proof investment with a cable qualifier that is already IPv6 and PoE+ compatible



NaviTEK II

NaviTEK II is a versatile network technician's tester for troubleshooting and maintenance of active and passive networks across copper and fibre, helping to pinpoint and solve networking issues quickly.

As a powerful LAN management tester, NaviTEK II saves money and increases efficiency by simplifying and accelerating network troubleshooting using a single multifunction device.

- Save money through using a single multifunction device for testing copper and fibre networks
- Increase efficiency by simplifying and accelerating network maintenance and troubleshooting through network scanning and Autotest functions
- Reduce downtime by verifying Ethernet connectivity and pinpointing Ethernet and PoE issues quickly enabling rapid fault finding



Ref.	Description
R156000	SignalTEK II kit includes 1 x Near-End unit (copper only), 1 x Remote unit (copper only)
R156001	SignalTEK II FO kit includes 1 x Near-End unit (copper and fibre), 1 x Remote unit (copper and fibre)

Additional content: 2 x Power module (rechargeable), 2 x Mains PSU/charger, 2 x 30cm RJ45 cable, 1 x Quick reference guide (English), 1 x User manual CD, 1 x Carrying case

Ref.	Description
R153000	NaviTEK II Kit: 1 x NaviTEK II test unit, 1 x Remote unit No. 1
R151000	NaviTEK II PLUS Kit: 1 x NaviTEK II PLUS test unit, 1 x Remote unit no. 1
R151002	NaviTEK II PRO Kit: 1 x NaviTEK II PRO test unit, 1 x Remote unit no. 1

Additional content:
4 x AA dry cell batteries (non-rechargeable), 2 x Patch cables - 30cm, Cat. 5e STP, 1 x Rechargeable power module, 1 x PSU with UK/EU/US adaptors, 1 x Manual on CD, 1 x Quick reference guide, 1 x Carrying case